

Title (en)
BIFUNCTIONAL FUSION PROTEIN AGAINST PDL1 AND TGF β AND USE THEREOF

Title (de)
BIFUNKTIONALES FUSIONSPROTEIN GEGEN PDL1 UND TGF-BETA UND VERWENDUNG DAVON

Title (fr)
PROTÉINE DE FUSION BIFONCTIONNELLE CONTRE PDL1 ET TGF β ET SON UTILISATION

Publication
EP 3929215 A1 20211229 (EN)

Application
EP 20822451 A 20200608

Priority

- CN 201910497064 A 20190610
- CN 201910497723 A 20190610
- CN 2020094855 W 20200608

Abstract (en)
Provided are an anti-PDL1 antibody and an antigen-binding fragment thereof, and further provided are a bifunctional fusion protein against PDL1 and TGF β and a preparation method thereof and the use thereof. The antibody or antigen-binding fragment or the bifunctional fusion protein has one or more of the following advantages: an enhanced TGF β 1 binding activity, an enhanced affinity to PDL1, an enhanced ability to block the binding of PDL1 and PD1, an enhanced functional activity for blocking TGF β 1, an enhanced ability to promote the secretion of IFN- γ by T cells, a better immunomodulatory effect and a better tumor inhibitory effect.

IPC 8 full level
C07K 16/28 (2006.01); **A61K 31/713** (2006.01); **A61K 35/12** (2015.01); **A61K 39/395** (2006.01); **A61P 35/00** (2006.01); **C07K 16/46** (2006.01); **C12N 15/13** (2006.01); **C12N 15/63** (2006.01)

CPC (source: EP KR US)
A61P 35/00 (2018.01 - EP KR US); **C07K 14/71** (2013.01 - EP US); **C07K 16/22** (2013.01 - KR); **C07K 16/2827** (2013.01 - EP KR US); **C07K 16/468** (2013.01 - KR); **C12N 15/85** (2013.01 - US); **G01N 33/574** (2013.01 - KR); **A01K 2207/15** (2013.01 - EP); **A01K 2227/105** (2013.01 - EP); **A01K 2267/0331** (2013.01 - EP); **A61K 2039/505** (2013.01 - EP KR US); **C07K 2317/31** (2013.01 - EP US); **C07K 2317/622** (2013.01 - EP US); **C07K 2317/76** (2013.01 - EP US); **C07K 2317/92** (2013.01 - EP US); **C07K 2319/32** (2013.01 - EP US)

Cited by
EP4093779A4

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
EP 3929215 A1 20211229; **EP 3929215 A4 20220622**; AU 2020290119 A1 20211007; AU 2020290119 B2 20240718; BR 112021024820 A2 20220125; CA 3135988 A1 20201217; CN 114206926 A 20220318; CN 114206926 B 20220617; JP 2022528007 A 20220607; JP 7297090 B2 20230623; KR 20220007118 A 20220118; US 2022213195 A1 20220707; WO 2020248926 A1 20201217

DOCDB simple family (application)
EP 20822451 A 20200608; AU 2020290119 A 20200608; BR 112021024820 A 20200608; CA 3135988 A 20200608; CN 2020094855 W 20200608; CN 202080000954 A 20200608; JP 2021560523 A 20200608; KR 20217040151 A 20200608; US 202017601891 A 20200608